PTO/SB/21 (01-03)

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7	TR	ANSMITTAL			ection of information unless it displays a valid OMB control number 10/005,065
- 1		FORM		Filing Date	12/4/2001
٠,	Ito he used for all			First Named Inventor	. Krasulick
.	(to be asea for all	correspondence after Init	ial filing)	Art Unit	2812
-	/Alaa!			Examiner Name	lan J. Lobo
	Total Number of Pa	Cited Refences) ages in This Submission	5	Attorney Docket Number	OPT-003
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	Amendment/ After i Affida Extension of Express Aban Information Di Certified Copy Document(s) Response to M Incomplete Ap	Attached Reply Final vits/declaration(s) Time Request idonment Request sclosure Statement of Priority	P P P C C	Drawing(s) icensing-related Papers etition etition to Convert to a rowisional Application ower of Attorney, Revocation hange of Correspondence Addr arminal Disclaimer equest for Refund D, Number of CD(s)	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information
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Date		15, 2003	lenky	1	
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I hereby	certify that this corr mail in an envelop			E OF TRANSMISSION/N ted to the USPTO or deposited with ents, Washington, DC 20231 on this	
Typed	or printed	Kurt Rauschenbach		onus, washington, DC 20231 on this	May 15, 2003
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an epplication. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete including entering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

[·] If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Krasulick et al.

SERIAL NO.:

10/005,065

GROUP NO .:

2812

FILING DATE:

December 4, 2001

EXAMINER:

Ian J. Lobo

TITLE:

ELECTRO-ABSORPTION MODULATED LASER WITH HIGH

OPERATING TEMPERATURE TOLERANCE

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. BOX 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, Applicants hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the references are enclosed. Also, enclosed is a copy of the International Search Report for the PCT counterpart application.

REMARKS

in accordance w	ith the pro	visions of 37 C.	F.R. §1.97,	this statement is	heing filed (CHECK	ONTE:
			,		oung muu (CHECK	ONE)

	(1)	within three (3) months of the Filing Date or before the mailing date of the First Office Action on the merits; or
	(2)	after the period defined in (1) but before the mailing date of a Final Rejection or Notice of Allowance, and
* * * * * * * * * * * * * * * * * * * *		the requisite Statement is below, OR
		the requisite fee under Rule 1.17(p), namely \$180.00, is included herein, or
	(3)	after the mailing date of a Final Rejection or Notice of Allowance but before the payment of the Issue Fee, AND
		Applicant hereby Petitions the Commissioner to accept and consider the attached Information Disclosure Statement, AND

Information Disclosure Statement Serial No.: 10/005,065 Page 2 of 2 the requisite Statement is below, AND the requisite petition fee due under Rule 1.17(i)(I), namely \$130.00 is included herein. It is respectfully requested that each of the references shown on the attached Form PTO-1449 be made of record in this application. STATEMENT As required under §1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]: [E]ach item of information contained in the Information Disclosure Statement 1. was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or 2. [N]o item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

FEE AUTHORIZATION

Should any fee associated with the submission of this paper not be attached hereto as a check, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 501211. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,

Date: May 15, 2003 Reg. No. 40,137

Tel. No.: (781) 271-1503 Fax No.: (781) 271-1527 Kurt Rauschenbach Atty/Agent for Applicant(s)

Rauschenbach Patent Law Group, LLC

Post Office Box 387 Bedford, MA 01730

Sheet

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE CONTROL Number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

of

Cor	mplete if Known
Application Number	10/005,065
Fillng Date	12/4/2001
First Named Inventor	Krasulick
Art Unit	2812
Examiner Name	Ian J. Lobo
Attorney Docket Number	OPT-003

			U.S. PATI	ENT DOCUMENTS	
Examiner Initials	No.1	Document Number Number - Kind Code ² (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
	AI	us- 6,014,392	01-11-2000	lmai et al	Figures Appear
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		FORE	EIGN PATENT D	OCUMENTS	
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ı	Signature		Date	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with repersonal considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-later code (WIPO Standard ST.3). 4 For Japanese patent documents, the appropriate symbols as indicated on the document by the wispto. 4 For Japanese patent document, the appropriate symbols as indicated on the document by the serial number of the patent document. 3 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 9 Applicant is to place a check mark here if Render to the patent document is attached.

English language i translation is attacned.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case.

Any comments on the emount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and

Commissioner for Patents, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant



PTO/SB/06B (10-01)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE control number.

PTO/SB/06B (10-01)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE control number.

Substitute for form 1449B/PTO Complete if Known INFORMATION DISCLOSURE Application Number 10/005,065 Filing Date STATEMENT BY APPLICANT 12/4/2001 First Named Inventor Krasulick Group Art Unit (use as many sheets as necessary) 2812 Examiner Name Ian J. Lobo of Attorney Docket Number OPT-003

Examiner Initials	Cite	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS. Include name of the euthor (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, calabo, etc.)	_
imuais	No.1	number(s) publishes attaing, etc.), date, page(s), volume-issue	T2
	. CI	CLESCA B. ET AL, 3.2 NM Wavelength Tuning Via Temperature Control For Integrated Electroabsorption modulator/DBF Laser With High Tolerance To Chromatic Dispersion, Electronics Letters, IEE Stevenage, May 9, 1996, Pages 927-929, Vol. 32, no. 10, GB.	
	C2	GOTO ET AL, Design And Performance Of A 10-Gbit/s Optical Transmitter Module, Proceedings Of The Electronic Components And Technology Conference, May 18-20, 1992, Pages 830-837, Vol. Conf. 42, IEEE, New York.	
	С3	HIDEAKI TANAKA ET AL, Temperature Dependence of InGaAsP Electro-Absorption Modulator Module, Proceedings Of The International Conference On Indium Phosphide And Related Materials, May 9-13, 1995, Pages 540-543, Vol. Conf. 7, IEEE, New York.	
	C4	HOU H. Q. ET AL, Demonstration Of Wide-Temperature-Range Electroabsorption Modulation Near 1.5 um Using Coupled Quatum Wells, Semiconductor Science and Technology, October 1, 1996, Pages 1429-1433, Vol. 11, No. 10, Institute of Physics, London.	
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Examiner			
Signature		Date	
	Table 1	Considered	
not considered. Include convert	sidered, whether or not citation is in conformance with	h MPEP 600 Deputitions	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to place a check mark here if English language Translation is attached, comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Pident and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	PCT
To: RAUSCHENBACH, Kurt Post Office Box 387 Bedford, MA 01730 UNITED STATES OF AMERICA	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
	(PCT Rule 44.1)
	Date of mailing (day/month/year) 15/04/2003
Applicant's or agent's file reference OPT-003PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 02/20428	International filing date (day/month/year) 28/06/2002
Applicant OPTIUM CORPORATION	
The applicant is hereby notified that the International Searc Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clain When? The time limit for filing such amendments is normal international Search Report; however, for more de Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the acco	ns of the International Application (see Rule 46): ally 2 months from the date of transmittal of the stalls, see the notes on the accompanying sheet.
The applicant is hereby notified that no International Search Article 17(2)(a) to that effect is transmitted herewith.	n Report will be established and that the declaration under
no decision has been made yet on the protest; the app	n transmitted to the International Bureau together with the test and the decision thereon to the designated Offices.
4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international ap if the applicant wishes to avoid or postpone publication, a notice priority claim, must reach the international Bureau as provided is completion of the technical preparations for international publica	of windrawal or the international application, or of the in Rules 90 <i>bis</i> .1 and 90 <i>bis</i> .3, respectively, before the tion.
Within 19 months from the priority date, a demand for internations wishes to postpone the entry into the national phase until 30 mol Within 20 months from the priority date, the applicant must perfor before all designated Offices which have not been elected in the priority date or could not be elected because they are not bound	m the prescribed acts for entry Into the national phase
Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Jolanda Offerman-Hazeleger

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The support of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international phulication. Furthermore, it should be emphasized that provisional protection is available in some States only

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b1).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (c ntinued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed.
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims: 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added, or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended, it must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been flied

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44) .

Applicants or agent's file reference	FOR FURTHER see Notification of	of Transmittal of International Search Report
OPT-003PCT	ACTION (Form PC1/ISA/2	220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 02/20428	28/06/2002	11/07/2001
Applicant		11/0//2001
OPTIUM CORPORATION		
This International Search Report has be	en prepared by this International Searching Auth	nonty and is transmitted to the applicant
according to Article 18. A copy is being t	ransmitted to the international Bureau.	, and the time applicant
This International Search Report consist	o of a total of	
X It is also accompanied b	s of a total of sheets. y a copy of each prior art document cited in this	report
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Basis of the report		
a. With regard to the language, the	e international search was carried out on the basi nless otherwise indicated under this item.	is of the international application in the
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b. With regard to any nucleotide as	nd/or amino acid sequence disclosed in the inte	ernational application, the international search
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filed together with the inte	ernational application in computer readable form.	1
furnished subsequently to	o this Authority in written form.	
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2. Certain claims were fou	nd unsearchable (See Box I).	A Care
3. Unity of invention is lac		
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the text has been establish	hed, according to Rule 38.2(b), by this Authority adate of mailing of this international search repor	as It appears in Box III. The applicant may,
The figure of the drawings to be publi	date of maining of this international search repor	t, submit comments to this Authority.
X as suggested by the applic		5
		None of the figures.
because the applicant faile	characterizes the Invention.	x_0

INTERNATIONAL SEARCH REPORT

International Application No PCT/US 02/20428

CLASSIFICATION OF SUBJECT MATTER PC 7 G02F1/017 G02F G02F1/015 H04B10/155

G02F1/01

H01S5/026

H01S5/06

Relevant to claim No.

1,2,4-68-16. 18 - 2123-26.

29-32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 GO2F HO1S HO4B

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, PAJ, IBM-TDB, EPO-Internal, INSPEC, COMPENDEX

	·	Citation of document, with indication, where appropriate, of the relevant passages	
	, X	CLESCA B ET AL: "3.2 nm wavelength tuning via temperature control for integrated electroabsorption modulator/DFB laser with	
1		high tolerance to chromatic dispersion"	

ELECTRONICS LETTERS, IEE STEVENAGE, GB vol. 32, no. 10, 9 May 1996 (1996-05-09), pages 927-929, XP006005131

ISSN: 0013-5194 the whole document

X	Further documents ar	e listed in the	continuation of box C.

Patent family members are listed in annex.

- Special categories of cited documents:
- *A* document defining the general state of the art which is not considered to be of particular relevance
- earlier document but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or
- document published prior to the International filing date but later than the priority date claimed
- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled
- *&* document member of the same patent family

Date of the actual completion of the international search Date of mailing of the international search report

7 April 2003

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016

15/04/2003 Authorized officer

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Form PCT/(SA/210 (second sheet) (July 1992)

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INTERNATIONAL SEARCH REPORT

nternational Application No PCT/US 02/20428

C.(Continu	uation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/US 02/20428		
Category °				
	appropriate, or the relevant passages		Relevant to claim No.	
X ,	GOTO M ET AL: "Design and performance of a 10-Gbit/s optical transmitter module" PROCEEDINGS OF THE ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE. (ECTC). SAN DIEGO, MAY 18 - 20, 1992, NEW YORK, IEEE, US,		1,2, 5-10, 14-16, 18,21, 23,29	
ē	vol. CONF. 42, 18 May 1992 (1992-05-18), pages 830-837, XP010052497 ISBN: 0-7803-0167-6 * sections 4, 5 * figure 16			
**************************************	HIDEAKI TANAKA ET AL: "TEMPERATURE DEPENDENCE OF INGAASP ELECTRO-ABSORPTION MODULATOR MODULE" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON INDIUM PHOSPHIDE AND RELATED MATERIALS. HOKKAIDO, MAY 9 - 13, 1995, NEW YORK, IEEE, US,	*	1,3,5-8, 13,17, 21-23	
	vol. CONF. 7, 9 May 1995 (1995-05-09), pages 540-543, XP000630678 ISBN: 0-7803-2148-0 page 541, left-hand column, line 1 - line			
3	page 541, left-hand column, line 30 -page 542, left-hand column, line 21; figures 1-5			
	HOU H Q ET AL: "DEMONSTRATION OF WIDE-TEMPERATURE-RANGE ELECTROABSORPTION MODULATION NEAR 1.5 MUM USING COUPLED QUANTUM WELLS" SEMICONDUCTOR SCIENCE AND TECHNOLOGY, INSTITUTE OF PHYSICS LANDON	**	1,2,4-8	
	INSTITUTE OF PHYSICS. LONDON, GB, vol. 11, no. 10, 1 October 1996 (1996-10-01), pages 1429-1433, XP000626528 ISSN: 0268-1242 page 1432; figure 5			
	EP 0 558 089 A (HITACHI LTD) 1 September 1993 (1993-09-01)		1,2,5-8, 13-16,	
	* Embodiment 1 * figures 6,7		21,23	
X	US 2001/026570 A1 (HISANAGA YUKIHIRO ET AL) 4 October 2001 (2001-10-04) page 6, paragraph 89 - paragraph 90 page 9, paragraph 100 page 10, paragraph 112 page 11, paragraph 123 - paragraph 124		1,2,5	
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INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 0558089 A	01-09-1993	JP 3306892 I JP 5243551 / JP 5267709 / DE 69331979 I DE 69331979 I EP 0558089 / US 5574289 /	A 21-09-1993 A 15-10-1993 D1 11-07-2002 T2 23-01-2003 A2 01-09-1993	
US 2001026570 A1	04-10-2001	JP 2001339117 A	07-12-2001	